ORTHANC

Orthanc provides hospitals, companies, and private consulting rooms with products to optimize and automate their medical imaging flows. Our innovative business model is built upon the development and commercialization of free and open-source software, in order to enhance the interoperability between medical imaging ecosystems. Orthanc subscribes to a philosophy of openness, sharing, service and quality.

Research axes & Expertise

Our core technology is orthanc, an open-source, web-based DICOM server for healthcare and medical research. Orthanc proposes a different approach to picture archiving and communication systems (pacs): it is fast and lightweight, it does not depend on any external database or framework (which makes its installation almost trivial), and it provides a user-friendly application programming interface (api) to automate the imaging workflow that is very specific to each medical department. Orthanc effectively bridges the gap between DICOM and web 2.0.

Application fields

In essence, Orthanc targets all the generic problems that occur in the practice of medical imaging. This includes the simple access to DICOM images, the interoperability between proprietary ecosystems, the automation of medical imaging flows, or the exchange of medical images between medical departments. Thanks to its in-depth support of the DICOM standard, Orthanc can basically interface with any modality/PACS manufacturer. Its application fields therefore span all the radiology processes.

Major projects/partnerships/collaborations

Because of its open-source nature, a worldwide community of computer scientists and researchers has already gathered around Orthanc. Ongoing projects consist in extending the DICOM support of Orthanc. For instance, we work on providing a reference implementation of standard restful DICOM web services (wado-rs, stow-rs and qido-rs) and of file formats dedicated to nuclear medicine and radiotherapy (dicom-rt).
No formal partnership or collaboration is currently running.

Key figures

The company is not established yet. A CXO mission funded by Sowalfin has started to investigate the most adapted business model.

Contact

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